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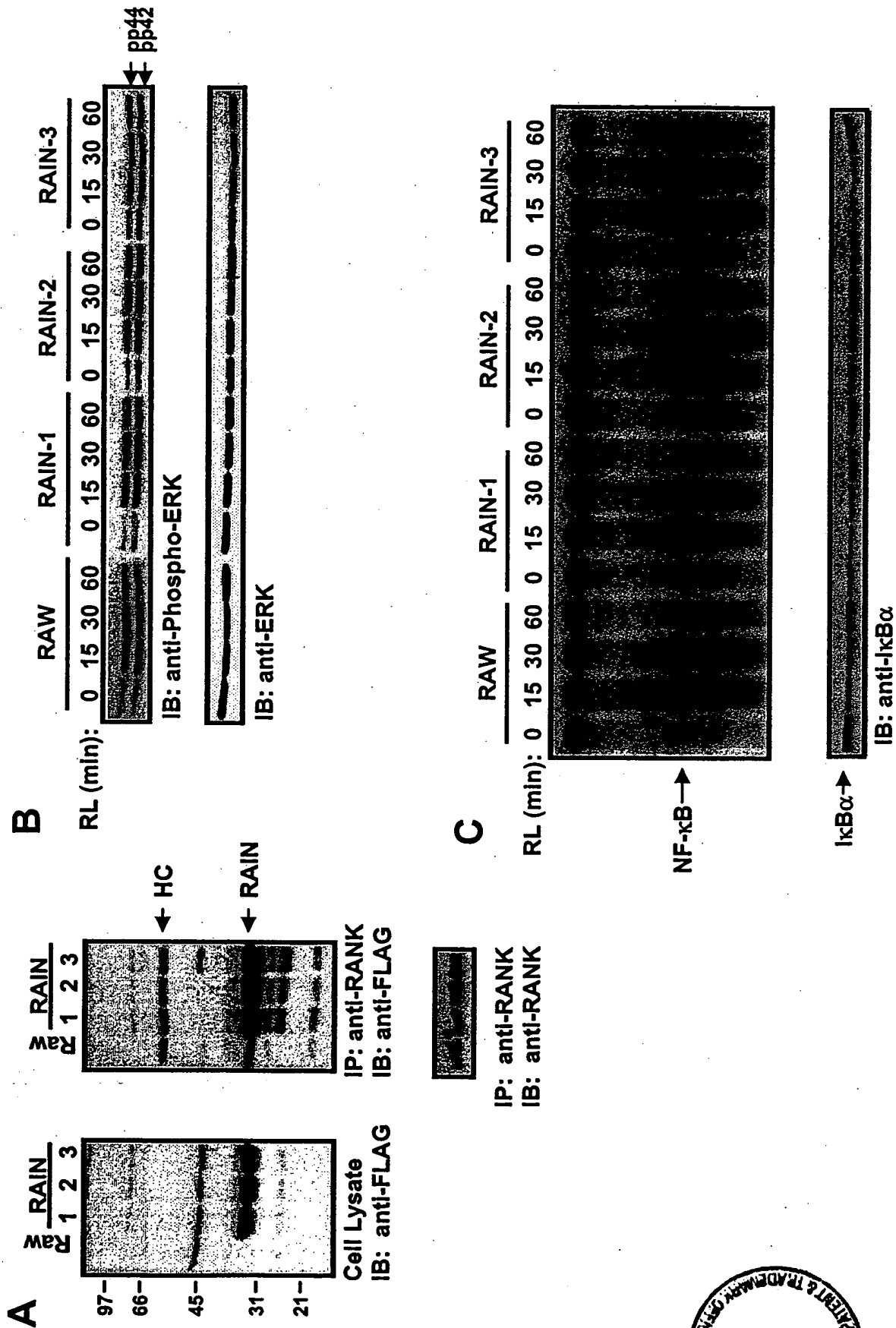
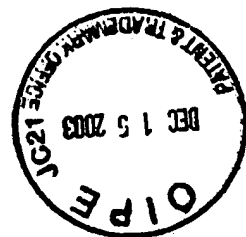


FIG. 2A-C



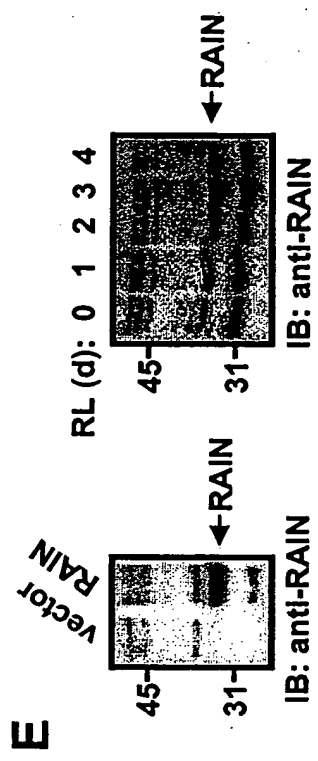
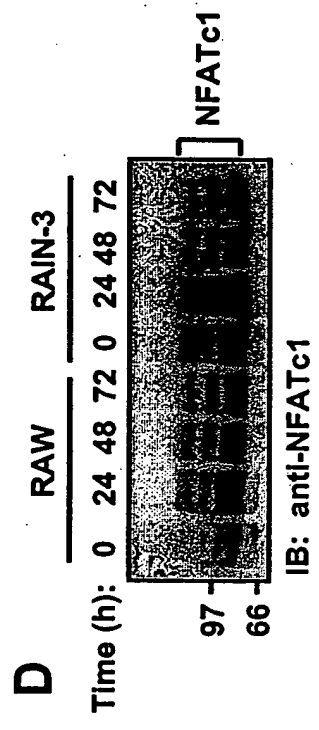
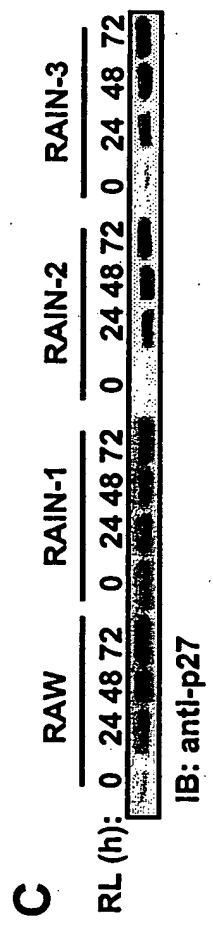
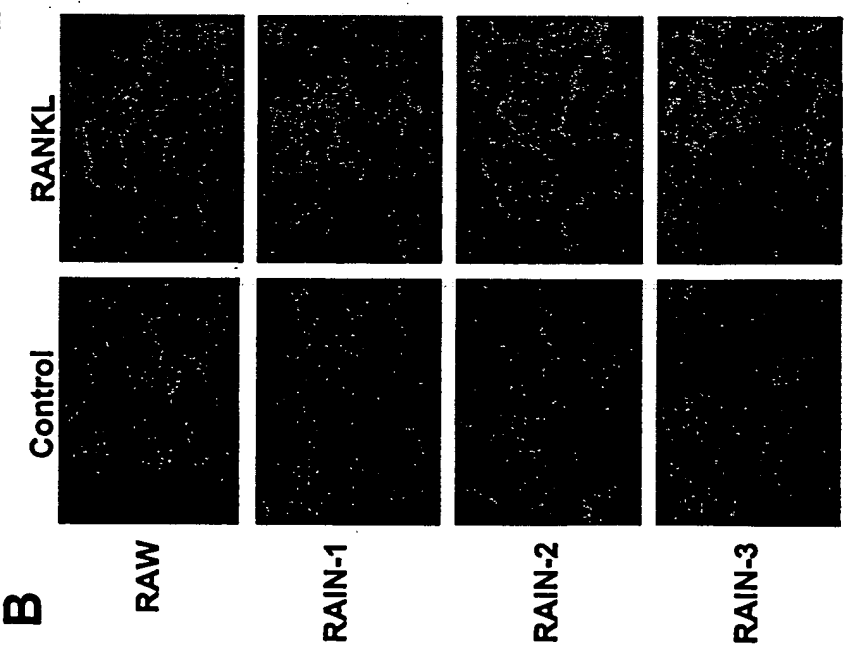
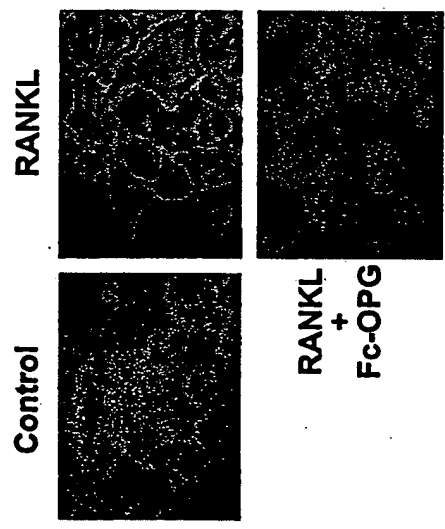


FIG. 3A-F

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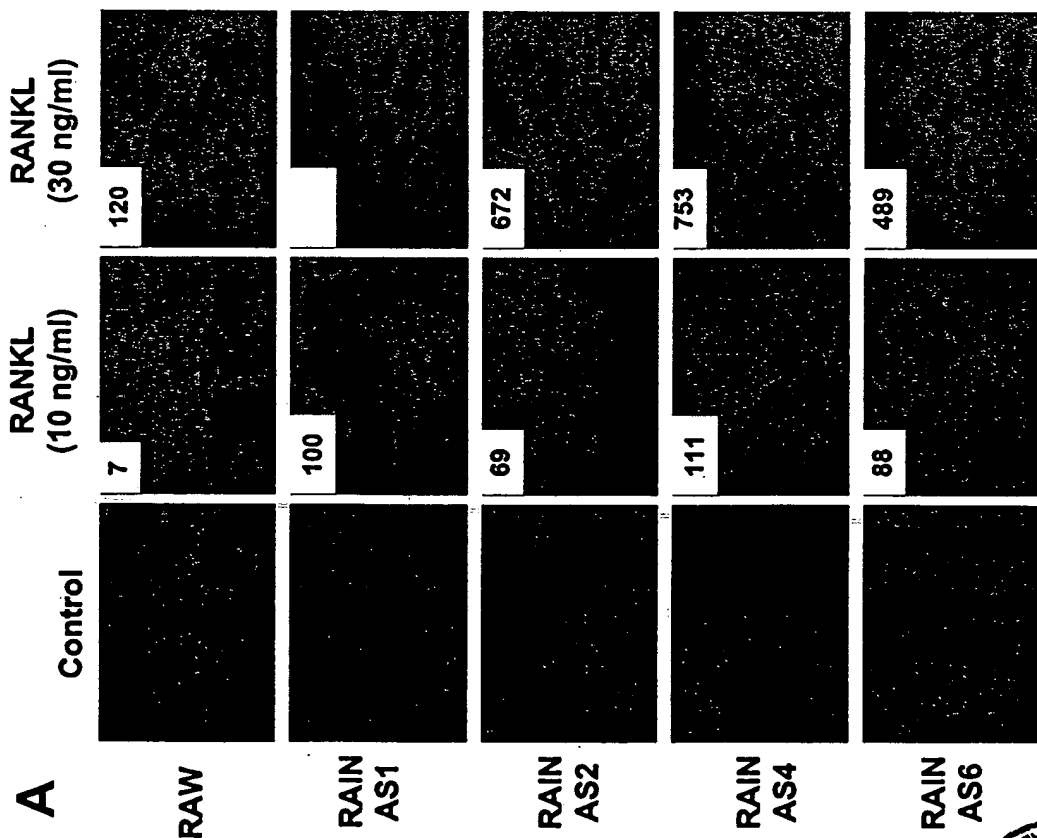
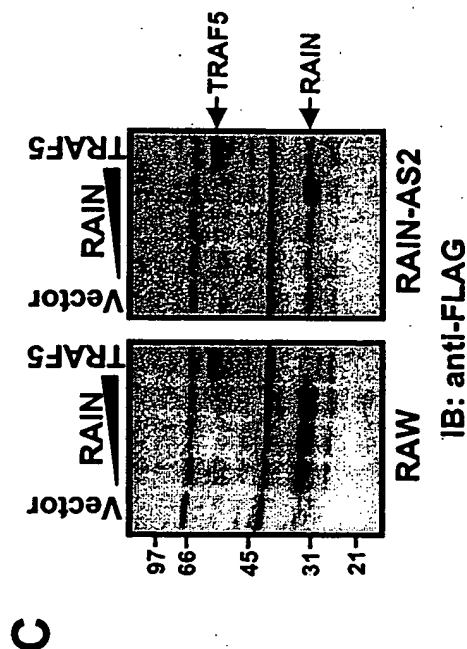
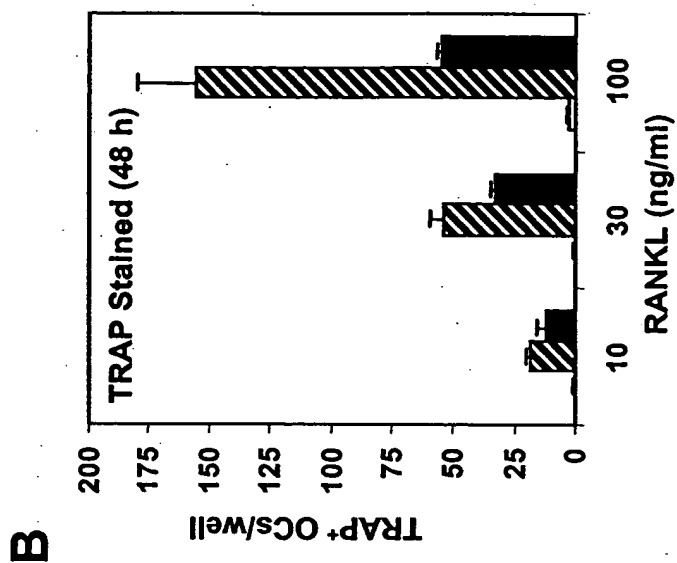


FIG. 4A-C



A

Phase      Phalloidin

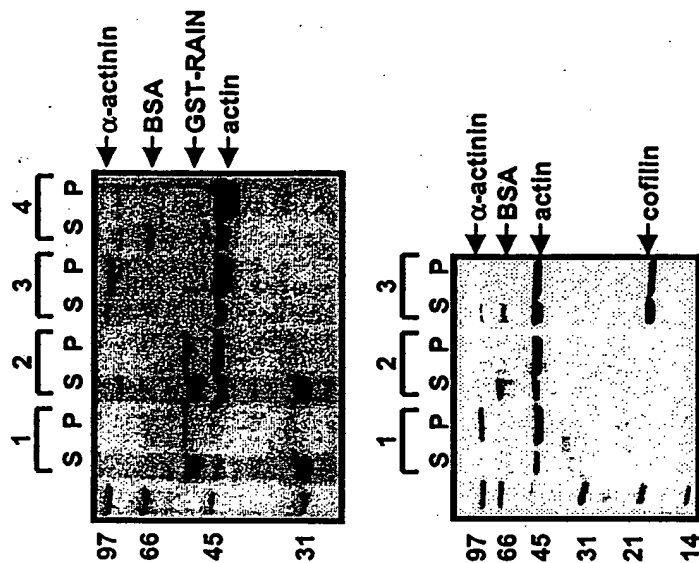


REPLACEMENT SHEET

C

mTW1	84	TEFAWSP	DHSHVRQKMLYA	α3
hTW1	84	TEFAWSP	DHSHVRQKMLYA	
yCof	84	VFETWSP	DTAPVRSKMVYA	
hCof	100	MFELWAP	ELAPLKSKMIVA	
yTW1	76	FEVSTIP	DGSPVRSRMLYA	
yTW2	242	FEIYSCP	SGSKVKDRMIVA	
hRAIN	162	PIIENTP	EEKTLKDRMAHA	
mRAIN	161	PIIENTP	EEKDLKERMaha	
mTW2	254	VFETSMFPGYTCS	IRERMLYS	
hTW2	254	VFETSMFPGYTCS	IRERMLYS	**

B



hRAIN

D



K90/91A	83-SGSPSPSKKLKKSQCT-99
K174A	
R176A	168-PEEKGLKDRMAHAM-181
A180T	
R194A	182-NEYPDSCAVLVRBH-195

FIG. 5A-D

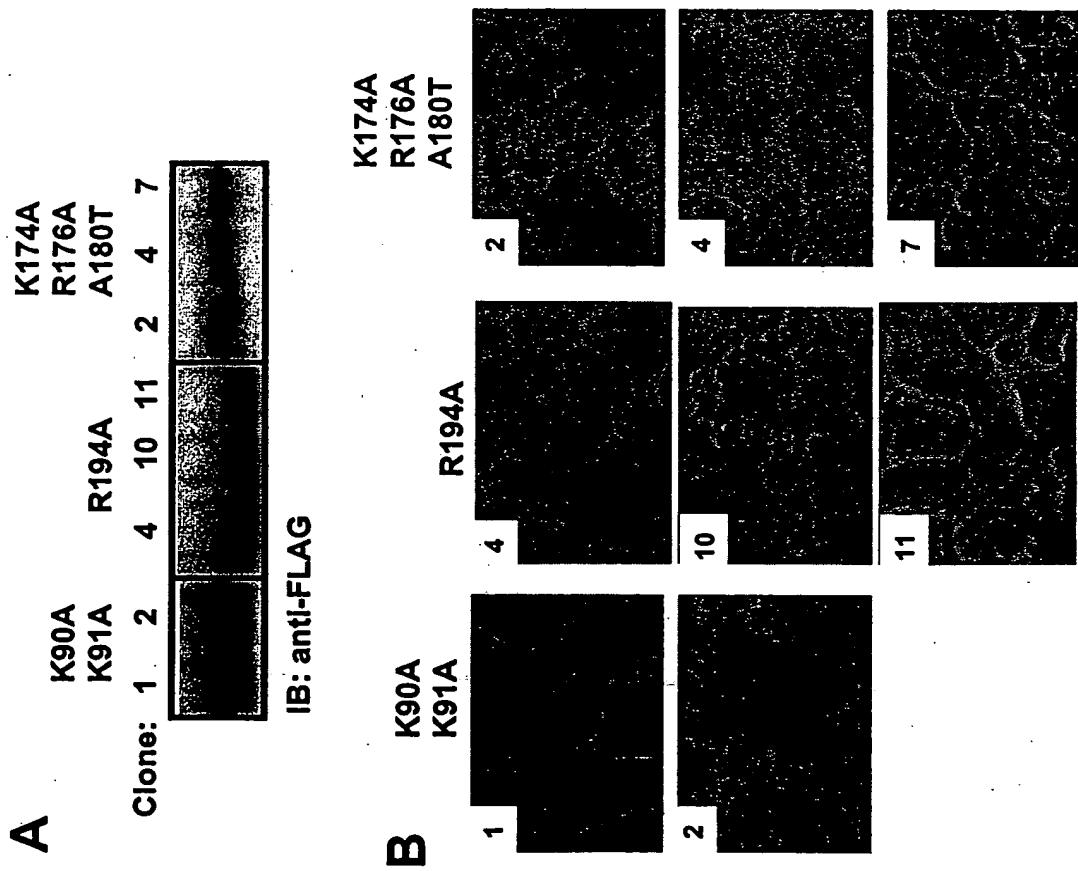
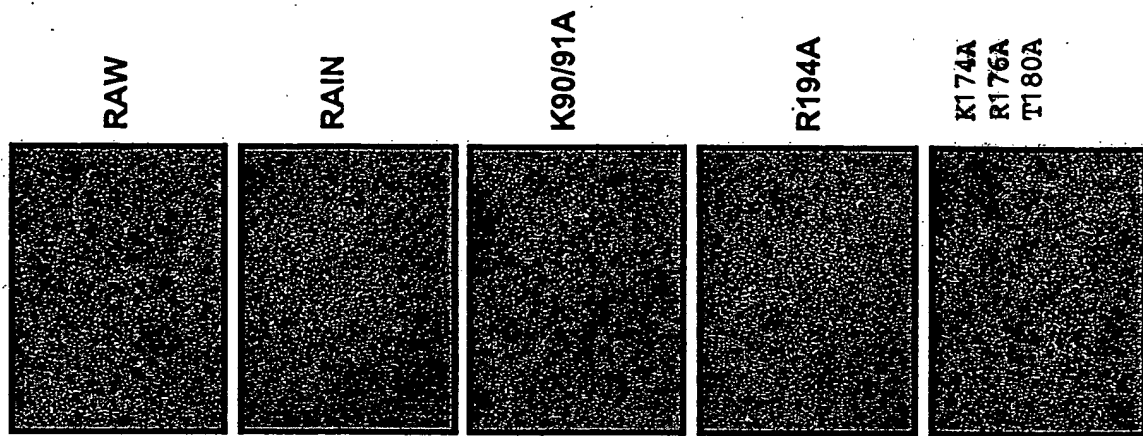
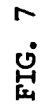


FIG. 6A-C

C







00

1 atgcctggctgtcgtatcctggggagagctgttctgtctccggagatcgaggggcgagagca 60  
HRAIN: 1  
CGI-29: 1 atgcctggctgtcgtatcctggggagagctgttctgtctccggagatcgaggggcgagagca 60

61 aaggagcatccaaagatccgtagatcccgagaaactcttgcaaaacgtcttaccatcttcaggctcg 120  
HRAIN: 61  
CGI-29: 61 aaggagcatccaaagatccgtagatcccgagaaactcttgcaaaacgtcttaccatcttcaggctcg 120

121 gtccactgggagctggagggaggaattagcttcgaagatcggcgaatgaaactccatctgcctc 180  
HRAIN: 121  
CGI-29: 121 gtccactgggagctggagggaggaattagcttcgaagatcggcgaatgaaactccatctgcctc 180

181 tcaggagctgcamaaaggaaaggaattcagacctgaaagacatgttctctctgtcatataaatgaa 240  
HRAIN: 181  
CGI-29: 181 tcaggagctgcamaaaggaaaggaattcagacctgaaagacatgttctctctgtcatataaatgaa 240

241 aaggagcataaagtggaaccttcgacatcgaaagagctaaaaaaagccagctgactcctctt 300  
HRAIN: 241  
CGI-29: 241 aaggagcataaagtggaaccttcgacatcgaaagagctaaaaaaagccagctgactcctctt 300

301 ttcctggaatgcttcacaaatcgagagggagccaggttcgaagcttcctaccacacctctaaagct 360  
HRAIN: 301  
CGI-29: 301 ttcctggaatgcttcacaaatcgagagggagccaggttcgaagcttcctaccacacctctaaagct 360

361 gctgctgagtgccaaacattctctcttcacaggagccggagcttcaaaattcacacatcaaggagtg 420  
HRAIN: 361  
CGI-29: 361 gctgctgagtgccaaacattctctcttcacaggagccggagcttcaaaattcacacatcaaggagtg 420

421 atcaagggaataaagaattgctacttcctccggaggggtcattatagatgatgatgtctagtg 480  
HRAIN: 421  
CGI-29: 421 atcaagggaataaagaattgctacttcctccggaggggtcattatagatgatgatgtctagtg 480

481 gtacccattattggagaatcacacctggaggagaaaggtccctcaaaagtgaatggctcatgca 540  
HRAIN: 481  
CGI-29: 481 gtacccattattggagaatcacacctggaggagaaaggtccctcaaaagtgaatggctcatgca 540

541 atgaaatgaatcacccagctcctgtgtcagctactggctcagagcgtcctggagtcatactgtcg 600  
HRAIN: 541  
CGI-29: 541 atgaaatgaatcacccagctcctgtgtcagctactggctcagagcgtcctggagtcatactgtcg 600

601 ggggaaacatgggagagggccaaaacacatgctgtagctgttcagacattcttcttgacatt 660  
HRAIN: 601  
CGI-29: 601 ggggaaacatgggagagggccaaaacacatgctgtagctgttcagacattcttcttgacatt 660

661 gccgtcacaatcgaaagtaggactgtatcctctcaacgctcccaagctcggaagaatgga 720  
HRAIN: 661  
CGI-29: 661 gccgtcacaatcgaaagtaggactgtatcctctcaacgctcccaagctcggaagaatgga 720

721 atctgtgaaa 729  
HRAIN: 721  
CGI-29: 721 atctgtgaaa 729